

# Converting Colors

XYZ(70.2597, 75.3256, 74.3645)

Have a look what the booklet for  
XYZ(70.2597, 75.3256, 74.3645)  
contains.

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# Color

**XYZ(70.0744, 75.0950,  
74.4198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E2D6
RGB	224, 226, 214
RGB Percent	88%, 89%, 84%
CMY	0.1216, 0.1137, 0.1608
CMYK	0.01, 0.00, 0.05, 0.11
HSL	70°, 17%, 86%
HSV	70°, 5%, 89%
XYZ	70.0744, 75.0950, 74.4198
YIQ	224.0340, 2.6600, -4.1560

# Conversions

## Conversions Part 2

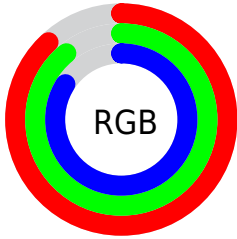
Format	Color
R <sub>Y</sub> B	214, 226, 216
Decimal	14738134
CIE Lab	89.44, -2.78, 5.62
CIE LCh	89, 6.266, 116.325
Yxy	75.0950, 0.3191, 0.3420
Android (android.graphics.Color)	4292928214 (0xFFE0E2D6)
YUV	224.0340, -4.9468, -0.0298
Hunter-Lab	86.6574, -7.3086, 9.7430

# Details

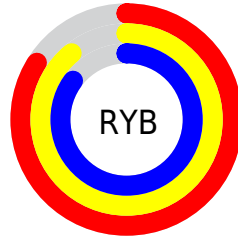
The XYZ color **70.0744, 75.0950, 74.4198** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.0958, 68.1851, 81.6328**, and the grayscale version is **70.9105, 74.6034, 81.2431**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1831, 40.0640, 38.5743** is the 20% darker color. If you saturate the color by 10%, you get **66.2302, 73.4261, 60.2039**, and if you desaturate by 10%, it is **74.3493, 76.9440, 90.7494**.

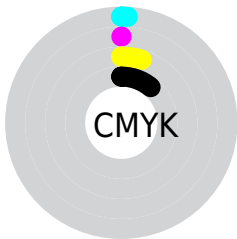
# Distribution



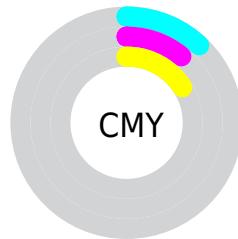
- Red (88%)
- Green (89%)
- Blue (84%)



- Red (84%)
- Yellow (89%)
- Blue (85%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0744, 75.0950, 74.4198 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.0744, 75.0950, 74.4198 by changing the saturation by 10% instead.



■ 70.0744, 75.0950,  
74.4198

■ 70.0744, 75.0950,  
74.4198

450.0735,  
478.2440, 495.1231

■ 51.8670, 55.6907,  
54.6388

118.3405,  
126.4468, 127.2303

■ 37.1229, 39.9550,  
38.7160

149.1300,  
159.1632, 161.0968

■ 25.4768, 27.5035,  
26.2327

184.8442,  
197.0857, 200.4957

■ 16.5633, 17.9517,  
16.7705

225.8485,  
240.5987, 245.8454

■ 10.0170, 10.9153,  
9.9108

272.5082,  
290.0866, 297.5644

■ 5.4726, 6.0099,  
5.2350

325.1887,

■ 2.5647, 2.8511,

345.9339, 356.0713

2.3247

384.2554,  
408.5249, 421.7847

■ 0.9280, 1.0545,  
0.7450

■ 0.0000, 0.0000,  
0.0000

■ 70.0744, 75.0950,  
74.4198

■ 70.0744, 75.0950,  
74.4198

■ 66.2302, 73.4261,  
60.2039

■ 74.3493, 76.9440,  
90.7494

■ 62.7939, 71.9210,  
48.0106

■ 78.3800, 78.6959,  
105.6665

■ 59.7499, 70.5757,  
37.7491

■ 79.6150, 79.3326,  
105.7243

■ 57.0790, 69.3826,  
29.3201

■ 80.8764, 79.9828,  
105.7833

■ 54.7607, 68.3335,  
22.6151

■ 82.1645, 80.6469,  
105.8436

■ 52.7719, 67.4190,  
17.5147

■ 83.4793, 81.3247,  
105.9051

■ 51.0868, 66.6290,  
13.8836

■ 84.8210, 82.0164,  
105.9679

■ 49.6756, 65.9513,  
11.5651

■ 86.1898, 82.7220,  
106.0320

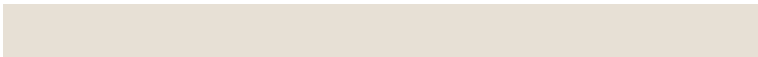
■ 48.5013, 65.3713,  
10.3661

■ 86.4878, 82.8756,  
106.0459

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5649, 75.0950, 73.6156



70.0744, 75.0950, 74.4198



68.9469, 75.0950, 77.1670

# Triad

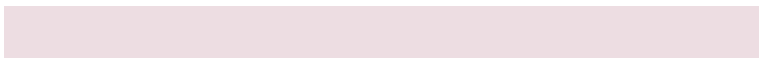
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0744, 75.0950, 74.4198



69.7512, 75.0950, 89.0052



74.3622, 75.0950, 82.3087

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.0744, 75.0950, 74.4198



66.0958, 68.1851, 81.6328

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8605, 75.0950, 86.5436



70.0744, 75.0950, 74.4198



71.1865, 75.0950, 90.4962

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0744, 75.0950, 74.4198



68.7622, 75.0950, 85.5725



72.6927, 75.0950, 89.5797



74.0542, 75.0950, 78.0734



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0744, 75.0950, 74.4198



68.5455, 75.0950, 79.7833



72.6927, 75.0950, 89.5797



74.2825, 75.0950, 83.7807

# Sweetspot

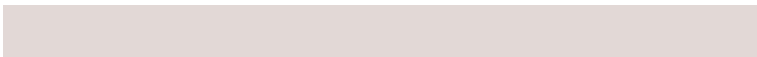
The Sweet Spot groups the original color and five complimentary colors.



70.0765, 75.0983, 74.4214



93.9271, 99.5147, 104.6181



68.0600, 70.1376, 73.5702



20.1160, 21.3053, 22.4374



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0765, 75.0983, 74.4214



91.7501, 98.5722, 96.3952



68.2499, 74.1566, 74.3359



14.8741, 16.0113, 15.4956



27.4718, 37.1947, 5.7314



1.9646, 2.6093, 0.4001



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66.0958, 68.1851, 81.6328



85.8272, 88.2860, 107.1251



67.9007, 69.1155, 81.7172



13.8242, 14.1880, 17.3976



8.3489, 3.3993, 41.2645

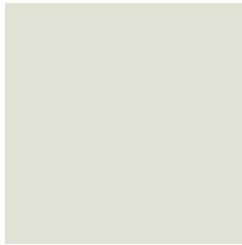


0.6441, 0.2693, 2.8633



# Previews

## White Background



This preview shows how the XYZ color 70.0744, 75.0950, 74.4198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

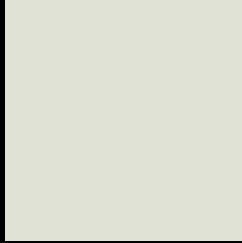
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0744, 75.0950, 74.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

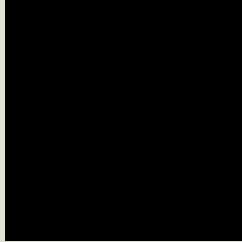
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

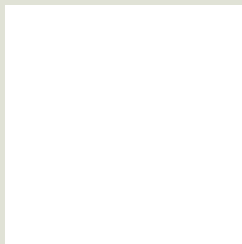
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.0744, 75.0950, 74.4198**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0744, 75.0950, 74.4198.



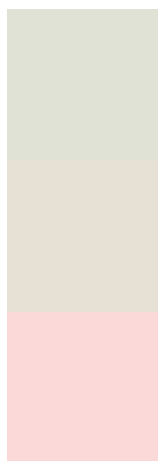
This preview shows how white text looks on a background with the XYZ color 70.0744, 75.0950,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

70.0744, 75.0950, 74.4198

### Protanopia

71.6209, 75.1043, 73.6725

### Deuteranopia

76.6319, 74.9076, 75.3854



## Tritanopia

73.8444, 75.0278, 93.0279

# Trichromacy



## Original Color

70.0744, 75.0950, 74.4198

## Protanomaly

70.9304, 75.1485, 73.7175

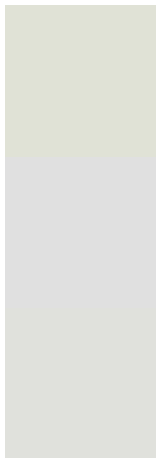
## Deuteranomaly

74.1346, 74.7935, 74.8192

## Tritanomaly

72.4900, 74.8758, 86.2331

# Monochromacy



## Original Color

70.0744, 75.0950, 74.4198

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.5840, 74.8650, 78.4404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0744, 75.0950, 74.4198 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(224, 226, 214) looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 214)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 226, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0744, 75.0950, 74.4198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 226, 214) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 226, 214) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 226, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 226, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 226, 214);  
box-shadow:4px 4px 4px 4px rgb(224, 226,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0744, 75.0950, 74.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 214) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
226, 214) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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